

NUMURKAH SECONDARY COLLEGE



SCIENCE

Year 7

At Year 7 students participate in a general introduction to many areas of Science according to the Australian Curriculum:

- How to 'do' Science
- Mixtures and how to separate them
- States of Matter
- Forces and how we use them
- Renewable and non-renewable energy
- Ecology
- Earth in space
- Classification of plants and animals
- Machines

Students learn about how the laboratory is organized with an emphasis on safety and the correct use of equipment.



Year 8

Science at Year 8 builds on the foundation developed in Year 7 with students continuing to refine their science skills.

Topics covered include:

- Elements, compounds, and mixtures
- Physical and Chemical change
- Cells—Life's building blocks
- Living systems
- Growth and reproduction
- Using energy
- Rocks, exploration and mining
- Reproduction
- Transport in the human body

Thinking
Reasoning
Experimenting
Investigating
Observing
Discussing
Recording
Questioning



Later years

Year 9 students study a broad range of topics. The content is presented through a range of contexts to engage students and assist them to make connections between science and their lives.

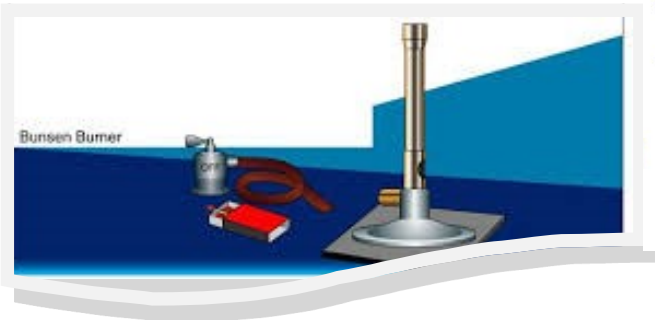
Year 10 Science caters for both students intending to study VCE Science, as well as those who intend to study VCAL in Years 11 and 12.

Chemistry, Physics, Biology and Psychology

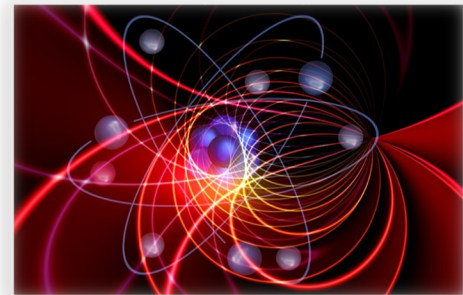
Many of our students have gone on to study Science, Engineering & related fields at university with great success.



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Numurkah Secondary College encourages students to take part in a range of extra-curricular science activities.



Mission to Mars

Our middle school students have the opportunity to discover what it would be like to be an astronaut by visiting the Victorian School Space Education Centre. This is a full day of exciting activities from lab work, to suiting up, to performing tests on the surface of Mars and even Mission Control.

Opportunities



National Youth Science Forum

Recently, NSC has been represented at the NYSF on 3 separate occasions.

Past students, Glen Gamble, Scott Gamble, and Scott Dealy, gained an insider's perspective of campus life, in Canberra, and experienced real science by working with scientists and engineers at the forefront of research. Scott Dealy was also invited back the following year as a leader.

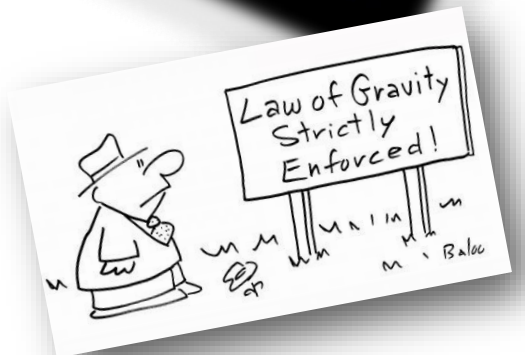


Science Competition

Students from all year levels are encouraged to take part in this international competition. Many of our students have gained high distinctions, distinctions and credits in this prestigious event.



Periodic Table of the Elements



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